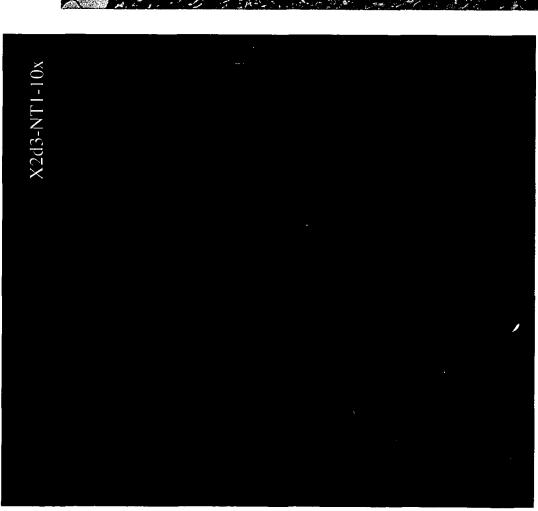
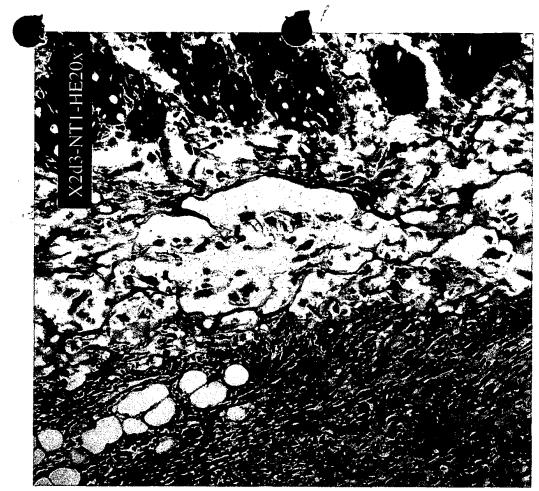
# Fig. 1a Non-Transduced hWSCs in Immuno-competent

#### mouse muscle

Day 3

DiI + hMSCs





# Human MSCs in Mouse Muscle: Day-7

(H&E)



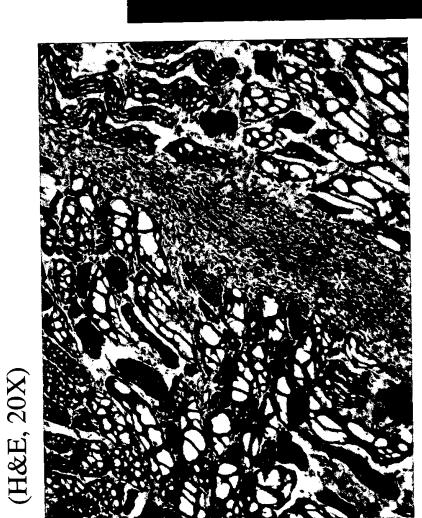
Sybr-green staining of all nuclei Dil labelled cells +

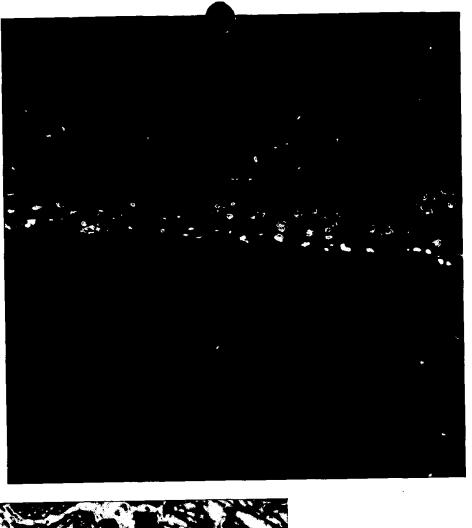


THE BOARD WITH THE THE SECOND THE SECOND THE SECOND THE SECOND SE

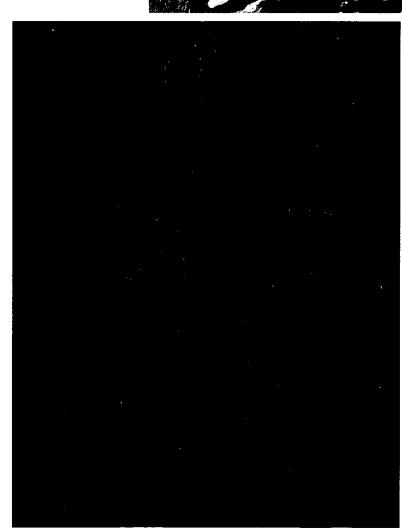
Fig.1c

Human MSCs in Mouse Muscle: Day-7





Fluorescent Field, 10X

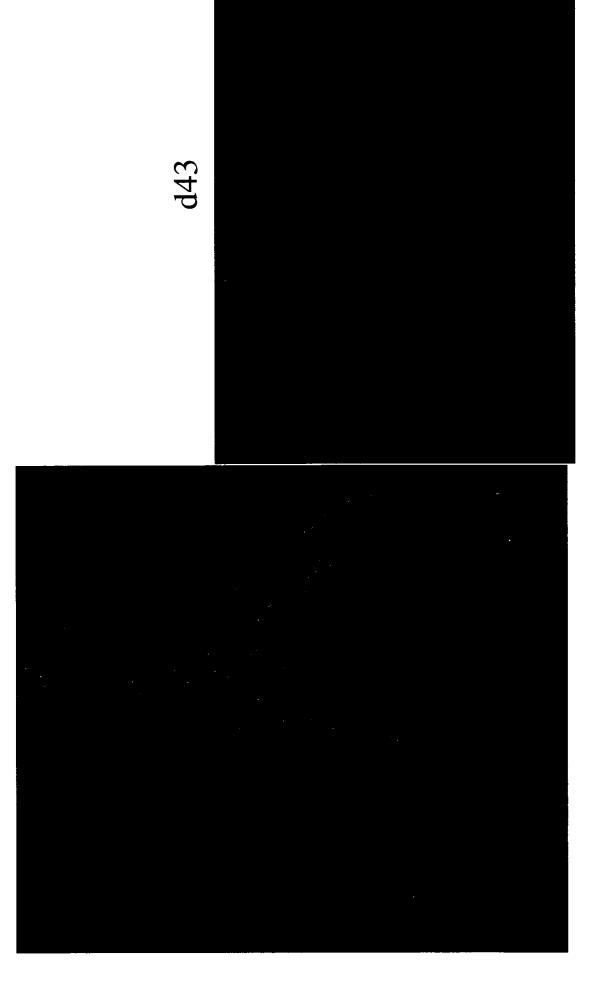


**H&E** 40X

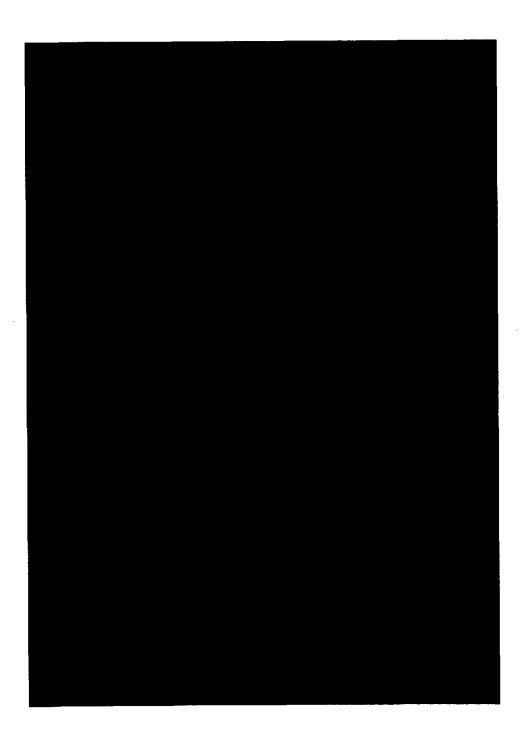


# Immuno-competent mouse muscle

d29

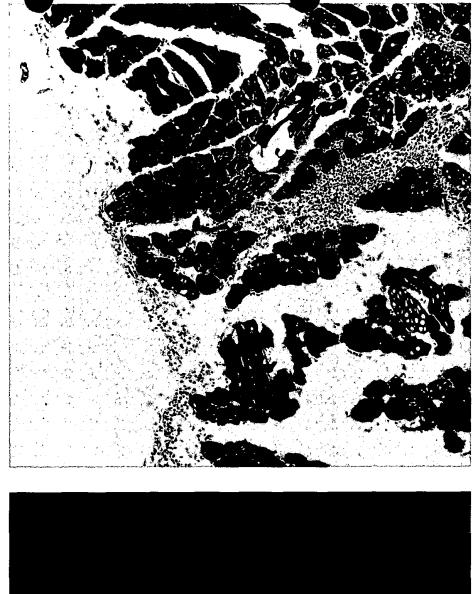


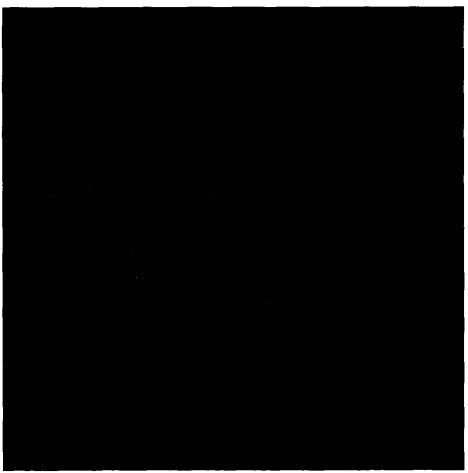
Human αGalA-Transduced MSCs in Mouse Muscle: Day-57 10X



First F. Energees

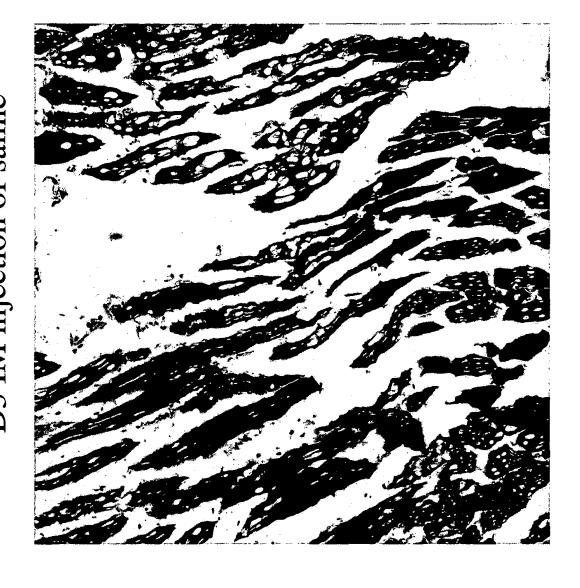
D3: IM injection of DiI-labeled PBMCs

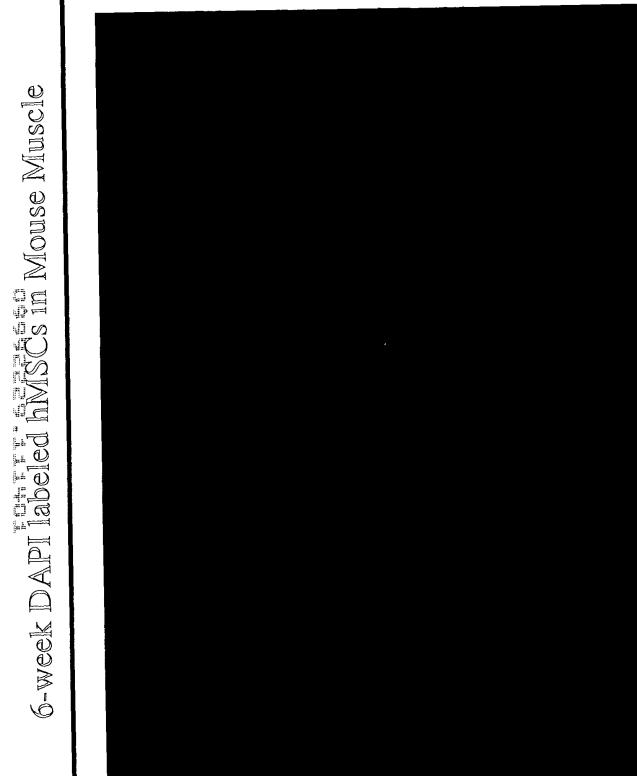




#### Figure-3

### D3 IM injection of saline





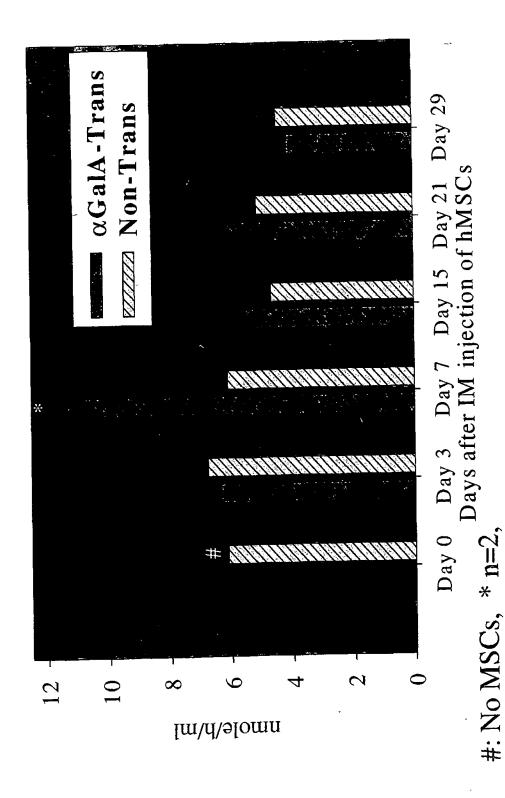
Red and Blue Florescence Channels merged

injected IM with agala-hMSCs: 14 days

agala iminundstain of Mescle from Mouse

#### Figure 6

### IM-injected with $\alpha$ -GalA-Transduced hMSCs α-GalA activity in Plasma of Mice



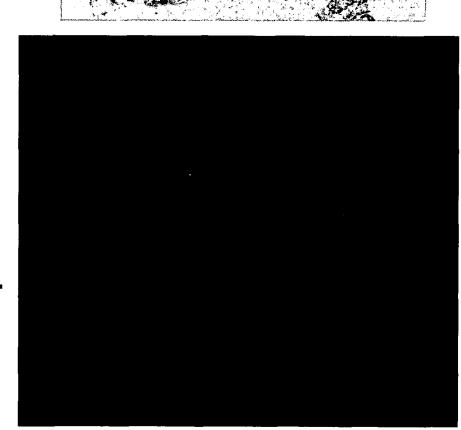
Fabry Mice plasma: 0.5 nmole/h/ml, PNAS 97:7515

#### ran Figure Jacon

## Human-specific Alu sequence staining of hMSCs injected into Immuno-competent mouse muscle

Dil-positive cells

Alu-sequence positive cells



#### Figure 10 C

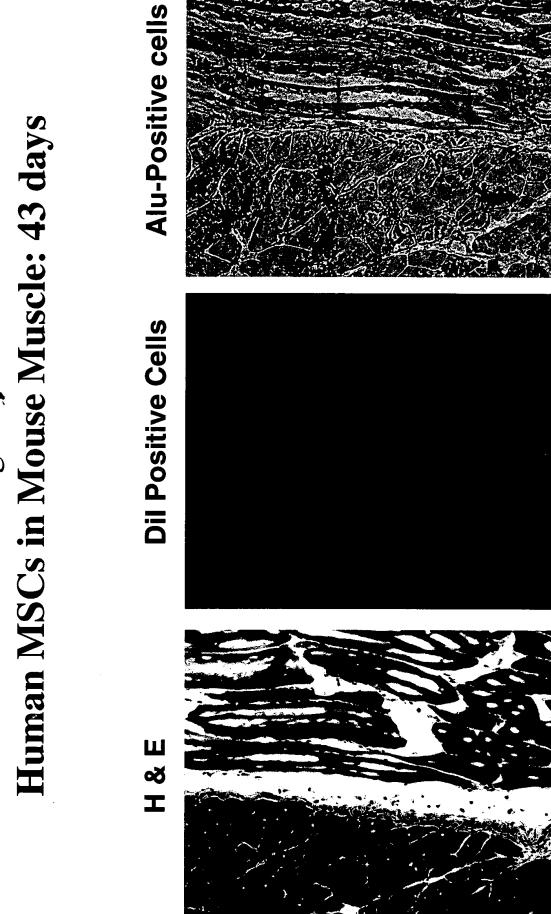
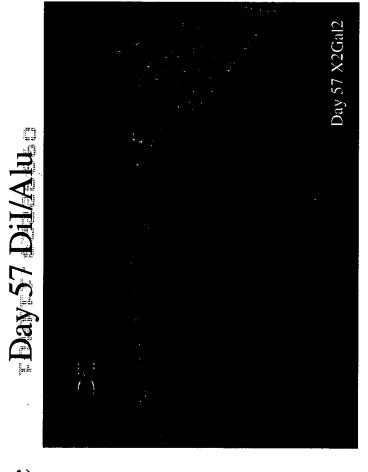
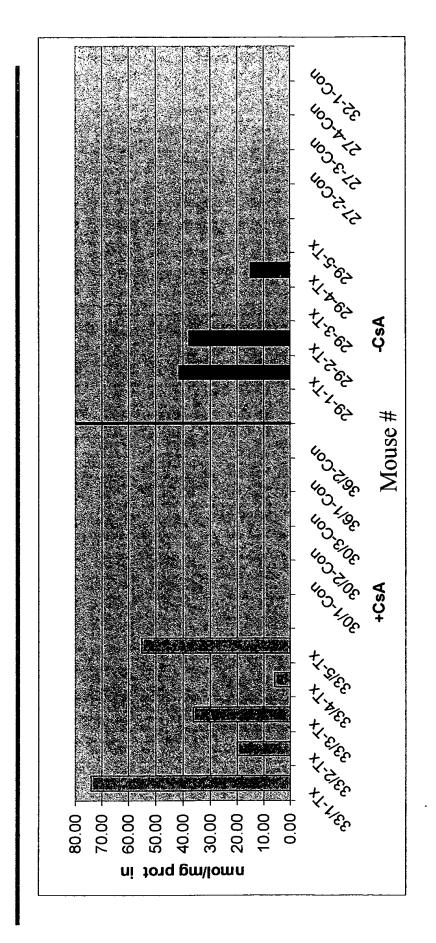


Figure 7c



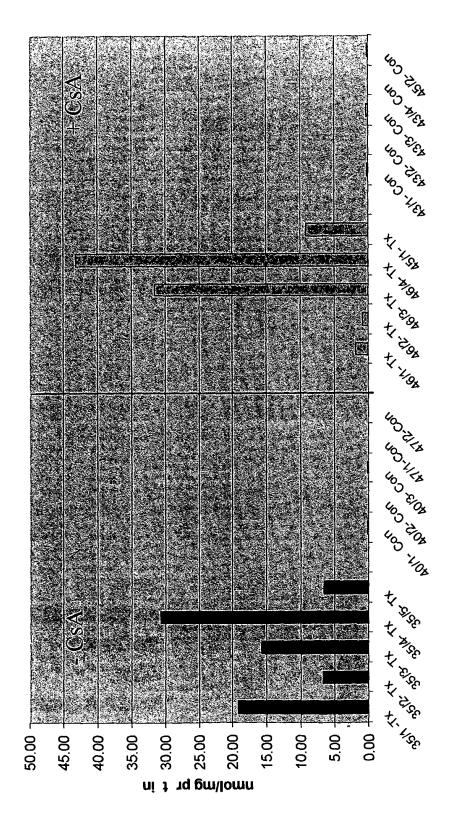


14 days after 18 injection of a Galf-Transduced PMSCs about Activity in Muscles of Fabry-KO mice: Figure-8a



 $Tx = \alpha GalA$  Transduced cells injected into muscle Con = Vehicle alone injected into muscle

28 days after IN injection of a Cala-Transduced hurses coal Activity in Miscles of Tablic Wice. Figure-8b



 $Tx = \alpha GalA$  Transduced cells injected into muscle

Con = Vehicle alone injected into muscle

injected IP with a Gala-hMSCs on Cultisphers : acala immunostain of Liver from KO Mouse 14 days

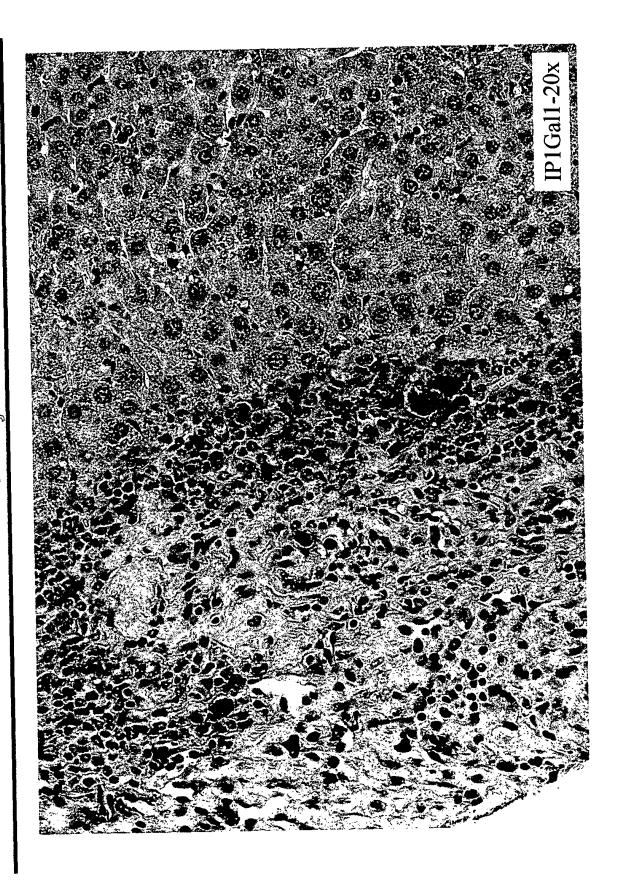
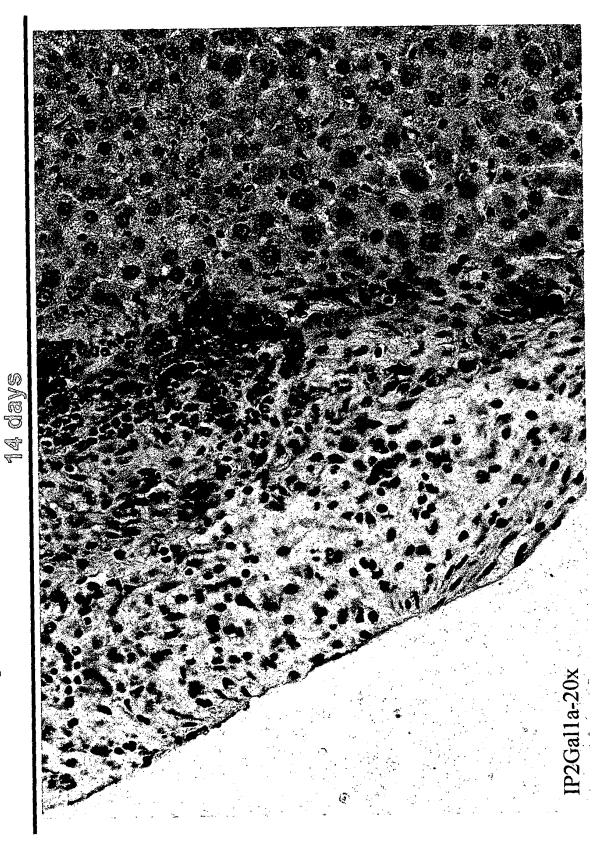


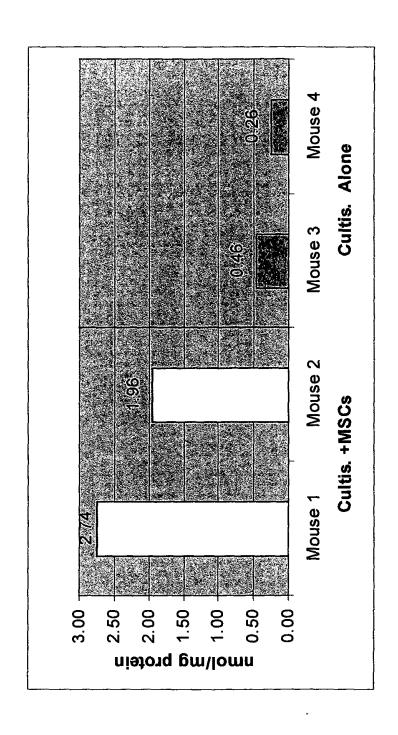
Figure-4b

agala immunostain of Civertion Ko Mouse injected IP with agala-hMSCs on Cultisphers :



Intra-Peritoneal Delivery of a Calp. Transduced hurses o Faby Knock-Out Wice

#### **αGalA Enzyme**



Increase in  $\alpha$ GalA is 5% of normal mouse liver activity (41 nmole/mg)